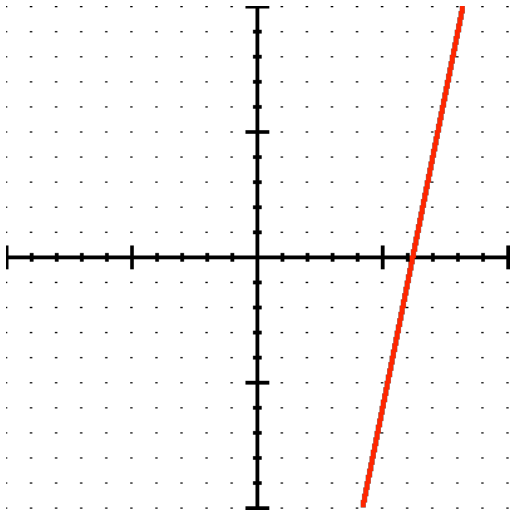


1) Writing Equation of Line from Graph where you CAN'T see the y-intercept

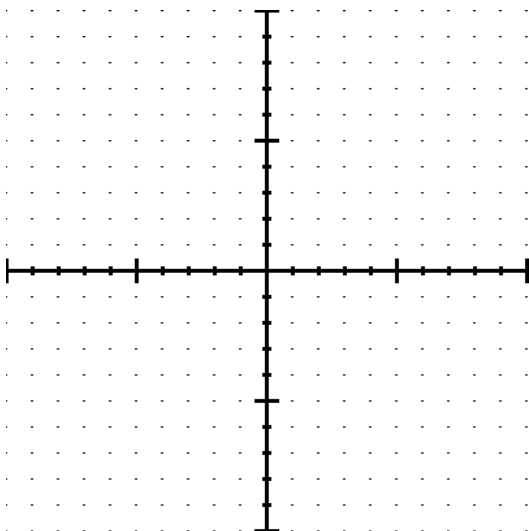


2) Writing Equation of Perpendicular Line from a line and through a point

Directions: Write the equation of a line that passes through (4, -5) and is perpendicular to the line $y = 2x + 3$

3) Graphing in Standard Form (Write Equations in slope-intercept form)

Graph: $2x - 5y = 15$



4) Solving Proportions and Percents

$$\frac{6}{4 + 2w} = \frac{-2}{w - 10}$$

What percent of 136 is 51?

5) Plugging In Negatives

$$4 - x^2 \text{ when } x = -2$$

$$-5 - |x| \text{ when } x = -3$$

$$-x \text{ when } x = -6$$

6) Distributing Negatives

$$-3 = 12y - 5(2y - 7)$$

$$7v - (6 - 2v) = 12$$

7) Writing Constraints

The admission fee at a small fair is \$1.50 for children and \$4.00 for adults. On a certain day, 2200 people enter the fair and \$5050 is collected. How many children and how many adults attended?

A landscaping company placed two orders with a nursery. The first order was for 13 bushes and 4 trees, and totaled \$487. The second order was for 6 bushes and 2 trees, and totaled \$232. The bills do not list the per-item price. What were the costs of one bush and of one tree?

There are 13 animals in the barn. Some are chickens and some are pigs. There are 40 legs in all. How many of each animal are there?

8) Types of Real Numbers

5

-6

4.5

-5.7

$1.\bar{3}$

$\sqrt{5}$

$\sqrt{9}$

1.4518367123....

1.2456

0

$\frac{5}{3}$

π

$-\frac{6}{3}$